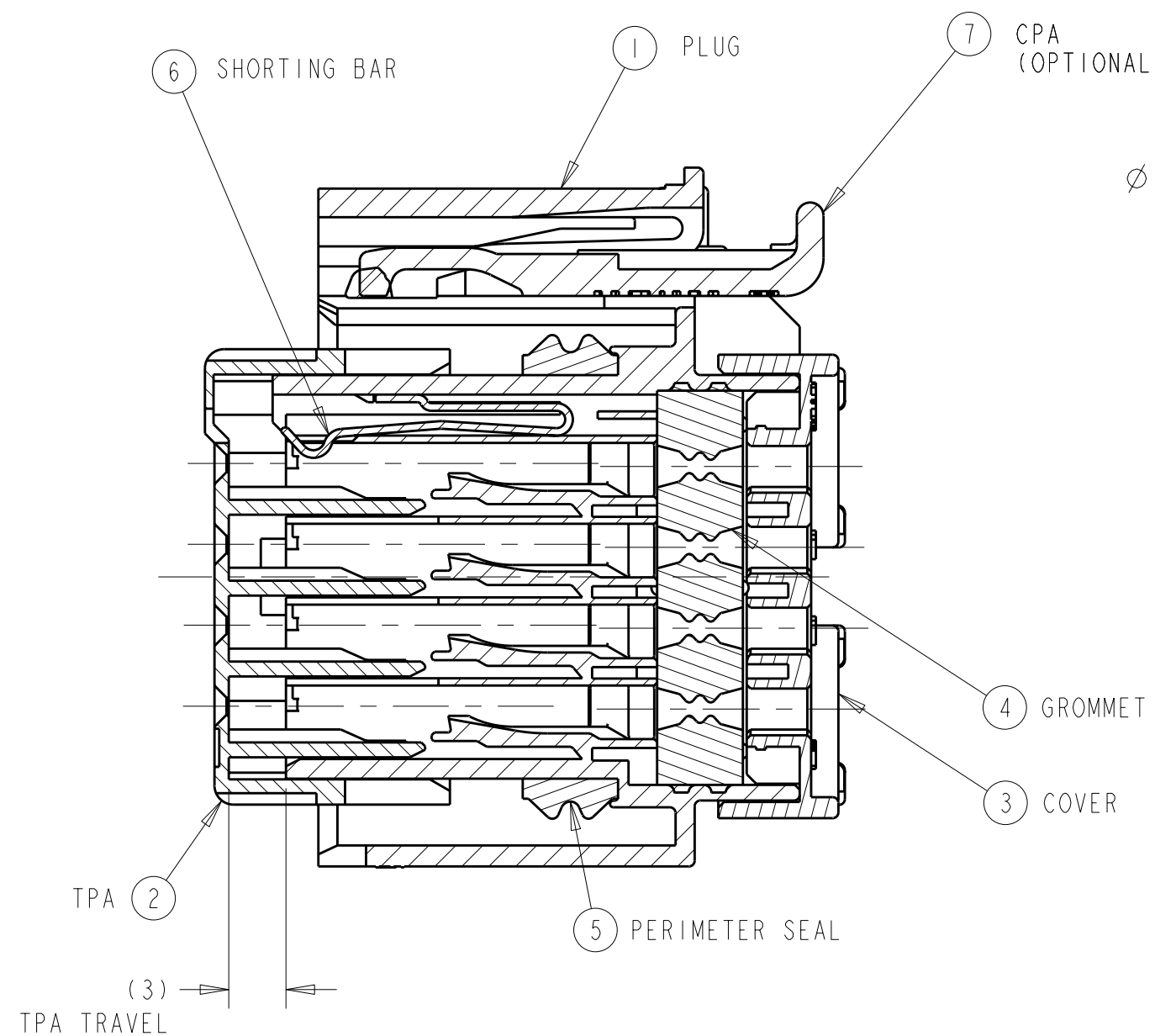
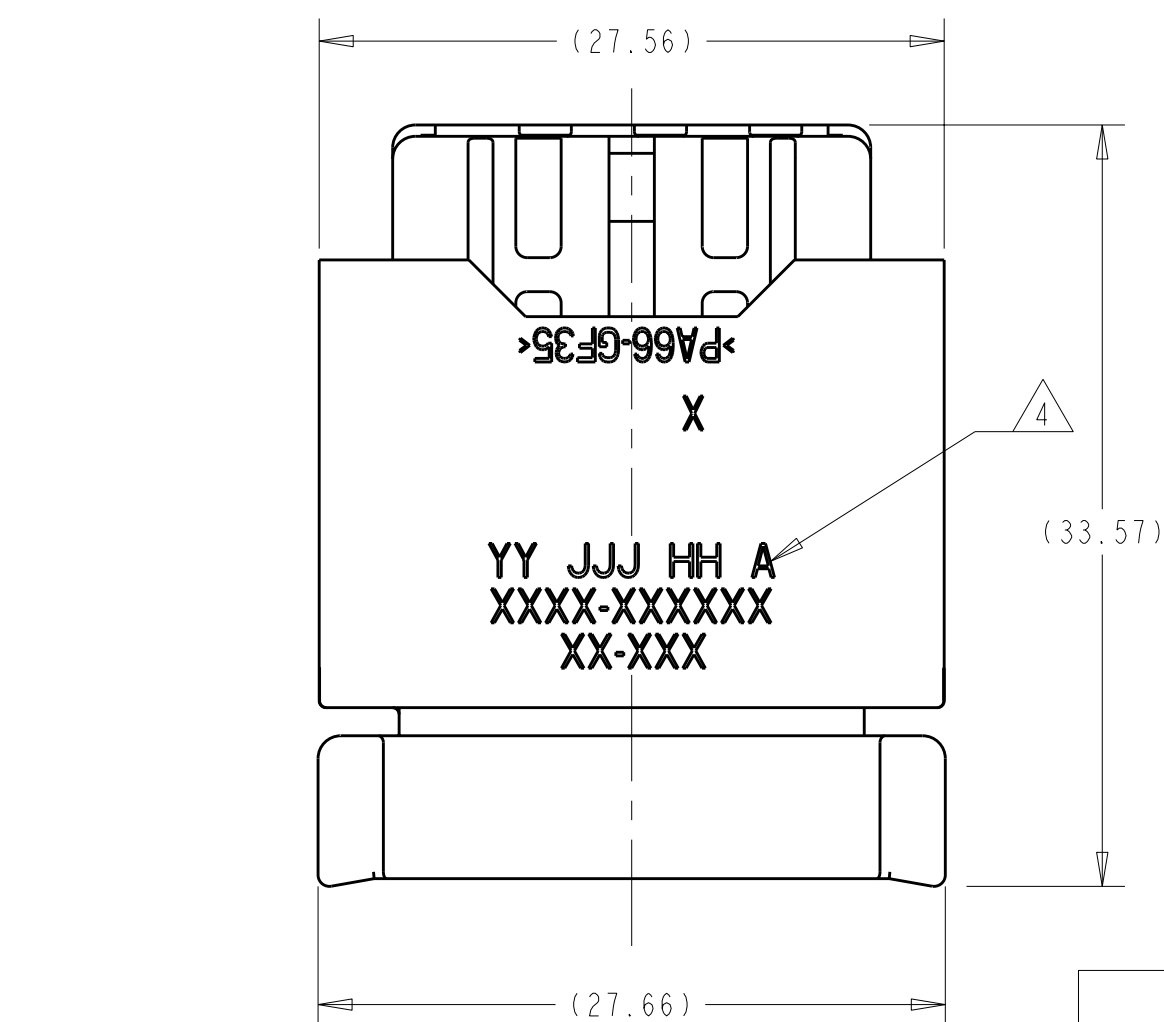
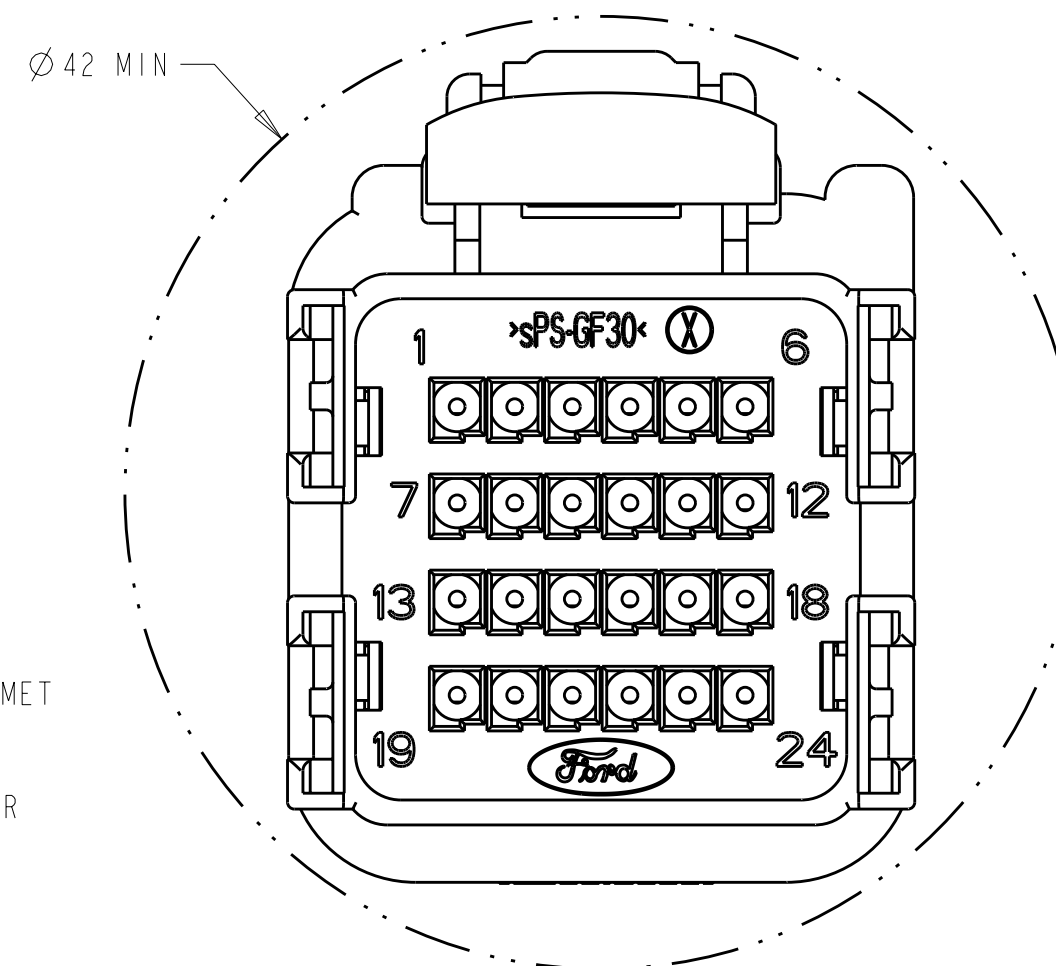


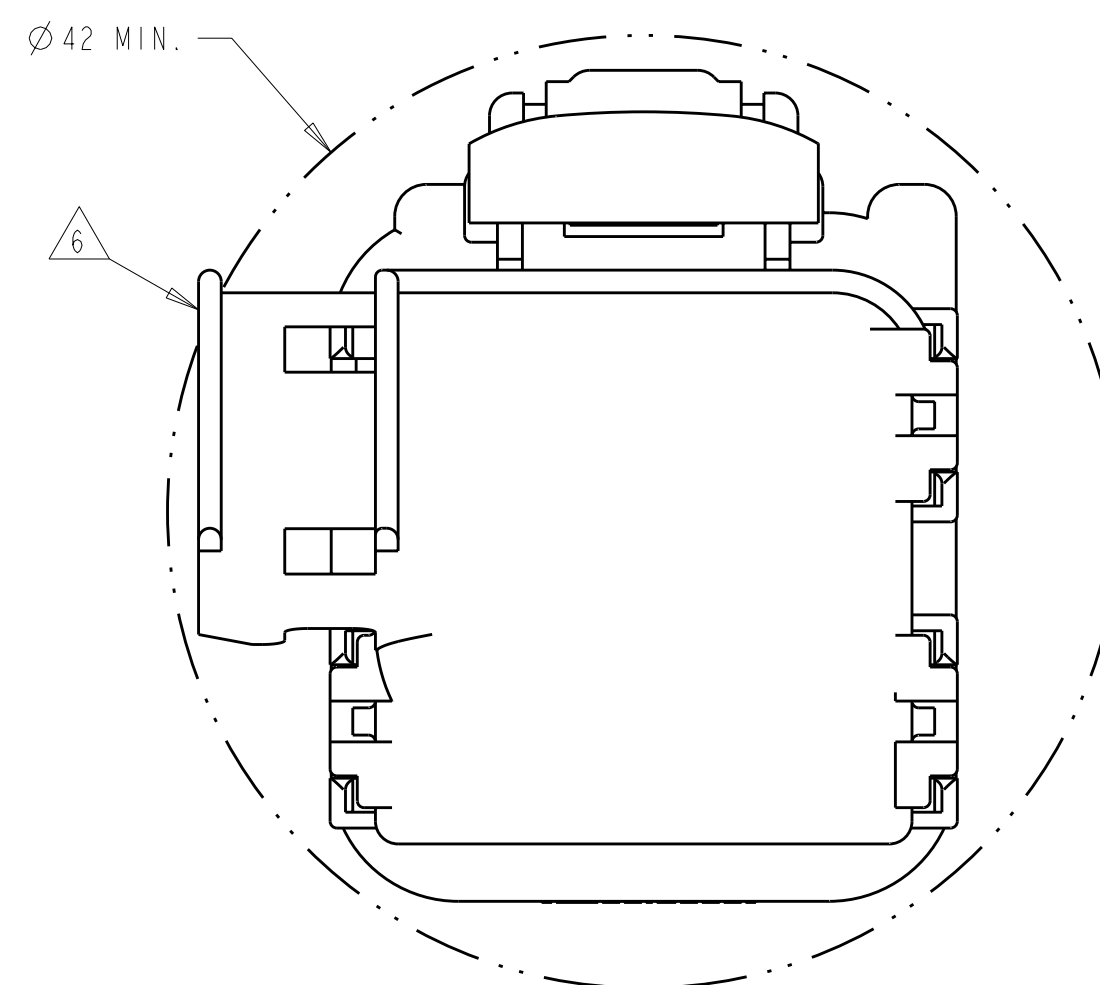
OPTION "B"



SECTION A-A  
SHOWN WITH TPA IN  
IT'S PRE-LOADED POSITION  
(DELIVERY CONDITON)



MINIMUM FEED THROUGH CONDITION  
WITH 1mm CLEARANCE ALL AROUND



MINIMUM FEED THROUGH CONDITION  
WITH 1mm CLEARANCE ALL AROUND  
SHOWN WITH OPTION WIRESHIELD

1. APPLICABLE TERMINAL PART NUMBERS (SOLD SEPARATELY):  
FOR TIN APPLICATIONS: 1393367 AND 1393368.  
FOR GOLD APPLICATIONS: 1393365 AND 1393364.  
FOR TERMINATION AND REELING OPTIONS  
SEE DRAWINGS 1393367, 1393366, 1393365, AND 1393364.
2. COMPATIBLE WIRE SIZES FOR MAT SEAL DESIGN 1.19 TO 2.06 O.D.  
(22-18 AWG, 0.35-0.75 mm2)
3. TPA IS SHIPPED IN IT'S PRE-LOADED POSITION. ALL ASSEMBLIES ARE TO  
BE TRAY PACKAGED.
4. CUSTOMER PART NUMBER AND TRACEABILITY CODE (YY = TWO DIGIT YEAR,  
JJJ = JULIAN DAY, HH = TWO DIGIT MILITARY HOUR, A = ASSEMBLY  
PROCESS USED) ARE PRINTED IN THIS LOCATION.
5. PART ASSEMBLY WEIGHT WITHOUT TERMINALS AND WITH STANDARD PIN-OUT  
CONFIGURATION IS 14.39 GRAMS.
6. OPTIONAL WIRESHIELD P/N 7-1419157-8 (SOLD SEPARATELY). PLEASE CONTACT  
YOUR TYCO ELECTRONICS SALES REPRESENTATIVE FOR AVAILABILITY AND PRICING.

ASSEMBLY  
PART NUMBERS

[illegible]

KEYING OPTION "A" SHOWN

|   | CPA                                  | PBT-GF15    | RED                   |
|---|--------------------------------------|-------------|-----------------------|
|   | SHORTING BAR                         | S.S.        | SEE COMPONENT DRAWING |
|   | PERIMETER SEAL                       | SILICONE    | GREEN                 |
|   | GROMMET                              | SILICONE    | BROWN                 |
|   | COVER                                | PA66 35% GF | BLACK                 |
|   | TPA WITH                             |             |                       |
| 3 | SHORTING BAR POSITIONS CONFIGURATION | sPS 30% GF  | NATURAL               |
|   | PLUG WITH KEYING OPTION "F" AND      |             |                       |
| 3 | SHORTING BAR POSITIONS CONFIGURATION | PA66 30% GF | BLACK                 |
|   | PLUG WITH KEYING OPTION "E" AND      |             |                       |
| 3 | SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF | BLACK                 |
|   | PLUG WITH KEYING OPTION "C" AND      |             |                       |
| 3 | SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF | BLACK                 |
|   | PLUG WITH KEYING OPTION "A" AND      |             |                       |
| 3 | SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF | BLACK                 |
|   | PLUG WITH KEYING OPTION "D" AND      |             |                       |
| 3 | SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF | BLACK                 |
|   | PLUG WITH KEYING OPTION "C" AND      |             |                       |
| 3 | SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF | NATURAL               |
|   | PLUG WITH KEYING OPTION "B" AND      |             |                       |
| 3 | SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF | BLACK                 |
|   | PLUG WITH KEYING OPTION "A" AND      |             |                       |
| 3 | SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF | GRAY                  |
|   | DESCRIPTION                          | MATERIAL    | FINISH/COLOR          |



|                                                                                       |  |                                                                                                                                  |  |                                                                                                       |  |
|---------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>R. VESTAL 24JUL2007<br>CHK<br>W. WELLINSKY 24JUL2007<br>APPR<br>W. WELLINSKY 24JUL2007                                    |  |  TE Connectivity |  |
| DIMENSIONS:<br>mm                                                                     |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0. PLC ±<br>1. PLC ±0.3<br>2. PLC ±0.10<br>3. PLC ±<br>4. PLC ±<br>ANGLES ±°<br>FINISH |  | NAME<br>24 WAY ARM PLUG ASSEMBLY<br>WITH SELECT LOAD SHORTING BARS<br>CUSTOMER SPEC.                  |  |
|  |  | PRODUCT SPEC<br>APPLICATION SPEC                                                                                                 |  | SIZE   CASE CODE   DRAWING NO<br>A1   00779   C=1924674                                               |  |
| MATERIAL<br>SEE CHART ABOVE                                                           |  | WEIGHT<br>SEE NOTE 5                                                                                                             |  | RESTRICTED TO<br>-<br>SCALE 3:1   SHEET 1 OF 5   REV S                                                |  |
|                                                                                       |  | CUSTOMER DRAWING                                                                                                                 |  |                                                                                                       |  |

| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
| FX  | 00   | P         | LYR | DESCRIPTION | DATE | DWN | APVD |
|     |      | -         |     | SEE SHEET 1 | -    | -   | -    |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |

| ASSEMBLY<br>PART NUMBERS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |           |             |           |           |                                        |                                                    |             |                       |
|--------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------|-----------|-------------|-----------|-----------|----------------------------------------|----------------------------------------------------|-------------|-----------------------|
| 2098376-1                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1924686-1 | 1924685-1 | 1924684-1   | 1924683-1 | 1924682-1 |                                        |                                                    |             |                       |
|                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |           |             |           |           |                                        |                                                    |             |                       |
| I                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | I         | I         | I           | I         | I         | 7                                      | CPA                                                | PBT-GF15    | RED                   |
| I                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | I         | I         | I           | I         | I         | 6                                      | SHORTING BAR                                       | S.S.        | SEE COMPONENT DRAWING |
| I                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | I         | I         | I           | I         | I         | 5                                      | PERIMETER SEAL                                     | SILICONE    |                       |
| I                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | I         | I         | I           | I         | I         | 4                                      | GROMMET                                            | SILICONE    | BROWN                 |
| I                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | I         | I         | I           | I         | I         | 3                                      | COVER                                              | PA66 35% GF | BLACK                 |
| I                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | I         | I         | I           | I         | I         | 2                                      | TPA WITH<br>3 SHORTING BAR POSITIONS CONFIGURATION | sPS 30% GF  | NATURAL               |
| I                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |           |             |           | I         | 3 SHORTING BAR POSITIONS CONFIGURATION | PA66 30% GF                                        | BLACK       |                       |
|                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | I         |           |             |           | I         | 3 SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF                                        | BLACK       |                       |
|                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |           | I           |           | I         | 3 SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF                                        | BLACK       |                       |
|                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |           | I           | I         |           | 3 SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF                                        | BLACK       |                       |
|                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |           | I           |           | I         | 3 SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF                                        | BLACK       |                       |
|                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |           | I           |           | I         | 3 SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF                                        | NATURAL     |                       |
|                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |           | I           |           | I         | 3 SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF                                        | BLACK       |                       |
|                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |           | I           |           | I         | 3 SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF                                        | GRAY        |                       |
| QUANTITY                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           | ITEM      | DESCRIPTION |           | MATERIAL  | FINISH/COLOR                           |                                                    |             |                       |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

9 PLC ±.3  
1 PLC ±0.3  
2 PLC ±0.10  
3 PLC ±.  
4 PLC ±.  
ANGLES ±°  
FINISH -  
-

MATERIAL

SEE CHART ABOVE

DWN R. VESTAL 24JUL2007  
CHK W. WELLINSKY 24JUL2007  
APVD W. WELLINSKY 24JUL2007

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

NAME

24 WAY ARM PLUG ASSEMBLY  
WITH SELECT LOAD SHORTING BARS  
CUSTOMER SPEC.

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A1

00779

C=1924674

-

SCALE

3:1

SHEET

2

OF

5

REV

S

TE Connectivity



[illegible]

## PIN-OUT CHART

[illegible]

| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
| FX  | 00   | REV       | LYR | DESCRIPTION | DATE | OWN | APVD |
|     |      | -         | -   | SEE SHEET 1 | -    | -   | -    |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |

| PIN-OUT CHART                                                |       |       |                                                                        |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                         |                       |  |  |  |  |
|--------------------------------------------------------------|-------|-------|------------------------------------------------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-------------------------|-----------------------|--|--|--|--|
|                                                              |       |       |                                                                        |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                         |                       |  |  |  |  |
|                                                              |       |       |                                                                        |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                         |                       |  |  |  |  |
|                                                              |       |       |                                                                        |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                         |                       |  |  |  |  |
|                                                              |       | 1 / 2 |                                                                        |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | N   | 2098376-1               | KEY "F"               |  |  |  |  |
|                                                              |       | 1 / 2 |                                                                        |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | N   | 1924686-1               | KEY "E"               |  |  |  |  |
|                                                              |       | 1 / 2 |                                                                        |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | N   | 1924685-1               | KEY "D"               |  |  |  |  |
|                                                              |       | 1 / 2 |                                                                        |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | N   | 1924684-1               | KEY "C"               |  |  |  |  |
|                                                              |       | 1 / 2 |                                                                        |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | N   | 1924683-1               | KEY "B"               |  |  |  |  |
|                                                              |       | 1 / 2 |                                                                        |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | N   | 1924682-1               | KEY "A"               |  |  |  |  |
| 5 / 6                                                        | 3 / 4 | 1 / 2 | 1                                                                      | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | CPA | ASSEMBLY<br>PART NUMBER | PLUG<br>KEYING OPTION |  |  |  |  |
| SHORTING BAR POSITION                                        |       |       | TERMINAL HOLE POSITION                                                 |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                         |                       |  |  |  |  |
| CAVITIES W/ A NUMERIC SYMBOL<br>INDICATE SHORTING BAR LOADED |       |       | CAVITIES WITH A NUMERIC SYMBOL INDICATE CLOSED TERMINAL HOLE POSITIONS |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                         |                       |  |  |  |  |
| BLANK CAVITIES INDICATE<br>NO SHORTING BAR LOADED            |       |       | BLANK CAVITIES INDICATE OPEN TERMINAL HOLE POSITIONS                   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                         |                       |  |  |  |  |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

MATERIAL

SEE CHART ABOVE

TOLERANCES UNLESS OTHERWISE SPECIFIED:

9 PLC ±.3

1 PLC ±0.3

2 PLC ±0.10

3 PLC ±.

4 PLC ±.

ANGLES ±°

FINISH -

DWN R. VESTAL 24JUL2007

CHK W. WELLINSKY 24JUL2007

APVD W. WELLINSKY 24JUL2007

PRODUCT SPEC -

APPLICATION SPEC -

WEIGHT -

CUSTOMER DRAWING

NAME 24 WAY ARM PLUG ASSEMBLY WITH SELECT LOAD SHORTING BARS CUSTOMER SPEC.

SIZE A1

CAGE CODE 00779

DRAWING NO C=1924674

RESTRICTED TO -

SCALE 3:1

SHEET 5

OF 5

REV S

TE Connectivity

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